

**DIFFUSER/EMULSIFIER FOR AQUACULTURE APPLICATIONS**

[0059] A method of treatment of water in an aquatic environment. Water is first pumped from a reservoir to a first mixing station. An inert gas is introduced into the pumped water at the first mixing station to provide inert gas saturated water, which inert gas saturated water will displace undesired gasses in the water in the reservoir. The inert gas saturated water is then pumped to a sparging column such that the inert gas and undesired gasses will be released from the inert gas saturated water to provide depleted water. The depleted water is then pumped to a second mixing station, wherein oxygen is introduced into the depleted water to provide oxygen enriched water. The oxygen enriched water is then returned to reservoir.